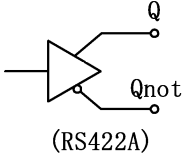
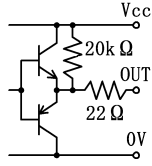


Electrical Specifications

Item/Model	IRS620	IRS660
Output Pulse	100, 200, 300, 500, 600, 900, 1000, 1024, 1200,	1500, 2000, 2048, 4096, 5000, 6000
Supply Voltage (Vcc)	5V±0.5V	10.8V~26.4V
Supply Current (No load)	≤70mA	≤70mA
Output Type	Line Driver	Complementary
Output Circuit		
Output Voltage	H	≥2.4V
	L	≤0.5V
Output Current	±10mA	≤40mA
Max. Applied Voltage	—	—
Min. Load Resistance	—	500Ω
Rise Time	≤100ns	500ns(Typ.)
Fall Time	≤100ns	100ns(Typ.)
Response Frequency	0~300kHz	0~200kHz
Bypass Capacitor(0V-FG)	0.22μF	0.22μF
Bypass Capacitor (Vcc-FG)	0.22μF	0.22μF
Determinate Time of ABZ signals	Output signal is not stable in 30ms after the power is on.	

IRS6 Series

Mechanical Specifications

Mech. Perm. Speed	6000 ☒	r/min	
Starting Torque	≤0.05 ☒	N·m	at +25°C
Shaft Load	Radial	≤50☒	N
	Axial	≤50 ☒	N
Moment of Inertia	9.0 × 10 ⁻⁶ ☒	kg·m ²	
Max. Accel. Speed	40000 ☒	rad/s ²	
Connector	MS3102E20-29P(Equivalent)	Adopted plug ☒: MS3106B20-29S or equivalent (Not included) Adopted clamp ☒: MS3057-12A or equivalent (Not included) Plug with clamp☒ : MS3106E20-29S or equivalent	
Mass	Approx. 0.7☒	kg	

Environmental Specifications

Operating Temperature	-20~+70☒	°C	Without Dewfall
Storage Temperature	-20~+85☒	°C	Without Dewfall
Vibration *1	100☒	m/s ²	25~2000Hz, X·Y·Z Each Direction 2h
Shock *1	1000☒	m/s ²	6ms, Half Sin Pulse, X·Y·Z Each Direction 2 Times
Protection Grade *1	IP66	Equivalent	

*1 Test Conditions

Note☐ Specifications subject to change without notice.